MUHAMMAD ZOHAIB

Aspiring Data Scientist

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Lahore, 54770 PB

PROFESSIONAL SUMMARY

Aspiring Data Scientist with a strong foundation in **Python** and **C++**, backed by hands-on experience in building data-driven applications. Demonstrated expertise in **object-oriented programming (OOP)** and **data structures** through academic projects and by ranking in the **top 20** in the ACM Speed Programming competition. Proven ability to translate theoretical knowledge into practical solutions, such as developing a solar panel application and social network simulation. Eager to apply analytical and technical skills to solve real-world data challenges.

WEBSITES, PORTFOLIOS, PROFILES

- https://zohaib-portfolio-158.vercel.app/
- https://github.com/zohaib-mzg
- https://linkedin.com/in/muhammad-zohaib-74777a351/

SKILLS

Object-Oriented Programming [C++]

Data Structures & Algorithms [C++]

Python Programming

Problem-Solving

HTML/CSS

Microsoft Excel

Microsoft Word

EXPERIENCE

Social Network | C++ Console Application | FAST NUCES - Lahore, Punjab
03/2025 - 06/2025

- Developed a console-based social media application simulating user profiles, friend connections, and news feeds.
- Applied core **OOP concepts** including **inheritance** for different user types, **encapsulation** for data security, and **polymorphism** for dynamic content display.
- Designed and implemented **data structures** (arrays/vectors) to efficiently manage user data and connections.
- **Technologies:** C++, OOP (Inheritance, Polymorphism, Encapsulation)

Solar System | C++ Console Application | FAST NUCES - Lahore, Punjab
11/2024 - 02/2025

- Engineered a C++ application to calculate solar panel requirements and ROI for homeowners based on their electricity consumption and local weather data.
- Implemented **object-oriented programming (OOP)** principles to create modular classes for solar panels, calculations, and user input.
- Utilized **file handling** to save and load user data, enhancing user experience.
- **Technologies:** C++, OOP (Classes, Objects), File I/O

EDUCATION

FAST NUCES Lahore - Lahore, Punjab   *Expected in 07/2028*
Bachelor of Science: Data Science

- **Core Courses:** Data Structures & Algorithms, Object-Oriented Programming (C++), Multivariate Calculus,Probability and Statistics,Python
- **Honors:** Achieved a top 20 rank in the ACM Speed Programming Contest (2024).
- **CGPA:** 3.22

Kips College - Lahore, Punjab   *10/2024*
Intermediate (HSSC): Computer Science

- **Core Subjects:** Computer Science (C Programming), Physics, Mathematics.
- Built foundation in programming logic and analytical problem-solving.
- **Grade:** 89.9% [A+]

Jauhar Foundation High School - Lahore, Punjab   *08/2022*
Matric (SSC): Computer Science

- **Core Subjects:** Physics, Mathematics, Chemistry, Computer Science
- Launched foundational journey in programming and computational thinking.
- **Grade:** 95.5% [A+]

LANGUAGES

English

Professional Working

Urdu

Native or Bilingual